

a capacitance change, wherein said capacitive sensor further comprises an electronic arrangement situated in the first substrate body below the first electrode affixed thereon for processing the measurements signals.

2.(Previously Amended) The capacitive sensor of claim 1, wherein the second electrode and the magnetic body are situated on opposite sides of the membrane.

3.(Previously Amended) The capacitive sensor of claim 2, wherein the magnetic body is formed as a thin layer.

4.(Previously Amended) The capacitive sensor of claim 3, wherein the magnetic body contains ferromagnetic material.

5.(Canceled) ~~The capacitive sensor of claim 3, comprising an electronic arrangement for processing the measurement signals that is integrated into at least one of the substrate bodies.~~

6.(Canceled) ~~The capacitive sensor of claim 5, wherein the electronic arrangement for processing the measurement signals is situated in the first substrate body below the electrode affixed thereon.~~

7.(Currently Amended) The capacitive sensor of claim 5~~1~~, wherein a first part of the electronic arrangement for processing the measurement signals is situated in the first substrate body and a second part of the electronic arrangement for processing the measurement signals is situated in the second substrate body.

8.(Currently Amended) The capacitive sensor of claim 5~~1~~, wherein the electronic arrangement for processing the measurement signals has elements to amplify the measurement signal.

9.(Currently Amended) The capacitive sensor of claim 51, wherein the electronic arrangement for processing the measurement signals has elements for applying a voltage signal across the first and second electrodes.

10.(Currently Amended) The capacitive sensor of claim 51, wherein at least one of the electrodes is formed as at least one conductor track.

11.(Previously Amended) The capacitive sensor of claim 10, wherein the conductor track is part of the electronic arrangement for processing the measurement signals.

12.(Previously Amended) The capacitive sensor of one of claim 11, wherein the first electrode is configured and arranged with respect to the second electrode to provide a space-resolving measurement.

13.(Previously Amended) The capacitive sensor of claim 12, wherein the first electrode has mutually parallel, strip-shaped elements.

14.(Previously Amended) The capacitive sensor of claim 13, wherein the electronic arrangement for processing the measurement signals processes the measurement signals to provide the space-resolving measurement.